

Title (en)  
METHOD FOR WELDING POROUS MEMBRANES

Title (de)  
VERFAHREN ZUM VERSCHWEIßEN VON PORÖSEN MEMBRANEN

Title (fr)  
PROCÉDÉ DE SOUDAGE DE MEMBRANES POREUSES

Publication  
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Application  
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Abstract (en)  
[origin: WO2019043100A1] The invention relates to a method for welding porous membranes, comprising: i) providing a porous membrane and a planar carrier material; ii) at least partially overlaying the porous membrane and the planar carrier material according to i) to obtain an at least partial overlay region; iii) welding the porous membrane and the carrier material at least in a portion of the overlay region according to ii) at a temperature in the range of 100 to 300 °C to obtain an at least partially welded composite of the porous membrane and the planar carrier material, wherein the planar carrier material comprises a second porous membrane, the material of the second porous membrane comprises a thermoplastic elastomer, selected from the group consisting of polyurethane, polyester, polyether ester, polyester ester, polyamide, polyether amide, polystyrene, and ethylene vinyl acetate elastomers and mixtures of two or more of these elastomers. The invention further relates to a welded composite of a porous membrane and a carrier material, obtained or obtainable by the method according to the invention, and to the use of a welded composite to produce an article selected from the group consisting of clothing, shoes, boots, protective suits, tents and tarps.

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